

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG2004/000366

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. <sup>7</sup> : H04N 1/415, 1/64, G06T 9/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI, PCT, USPTO (document segmentation, page segmentation, image segmentation, template, character, text, wavelet, SAQ, zerotree, etc.)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,778,092 A (MACLEOD et al), 7 July 1998 the whole document	1-15
Y	US 5,778,095 A (DAVIES), 7 July 1998 the whole document	1-15
A	EP 0 713 329 A1 (XEROX CORPORATION), 22 May 1996 the whole document	1-15
A	US 6,324,305 B1 (HOLLADAY et al), 27 November 2001 the whole document	1-15
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 22 December 2004		Date of mailing of the international search report 10 JAN 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  MATTHEW HOLLINGWORTH Telephone No : (02) 6283 2024

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG2004/000366

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,163,625 A (NG et al), 19 December 2000 the whole document	1-15
A	US 5,392,362 A (KIMURA et al), 21 February 1995 the whole document	1-15
A	G. E. Kopec et al, <i>Document-Specific Character Template Estimation</i> Proc. SPIE Document Recognition III, 1996, pp. 14-26 <a href="http://www2.parc.com/istl/members/kopec/spie-96-cte.pdf">http://www2.parc.com/istl/members/kopec/spie-96-cte.pdf</a>	1-15
A	J. Li et al, <i>Context-Based Multiscale Classification of Document Images Using Wavelet Coefficient Distributions</i> IEEE Transactions on Image Processing, September 2000, Vol. 9, No. 9 <a href="http://www.stanford.edu/group/compression/publications/jiali/docseg.pdf">http://www.stanford.edu/group/compression/publications/jiali/docseg.pdf</a>	1-15
A	R. de Queiroz et al, <i>Mixed Raster Content (MRC) Model for Compound Image Compression</i> Proc. IS&T/SPIE Symposium on Electronic Imaging, Visual Communications and Image Processing, 1999, pp. 1106-17 <a href="http://queiroz.lab.unb.br/papers/ei99mrc.pdf">http://queiroz.lab.unb.br/papers/ei99mrc.pdf</a>	1-15
A	<i>WDIC – Wavelet-Based Document Image Compression</i> , as archived on 22 February 2002 <a href="http://web.archive.org/web/20020422002439/www.cwaip.nus.edu.sg/demo/wdic.htm">http://web.archive.org/web/20020422002439/www.cwaip.nus.edu.sg/demo/wdic.htm</a>	1-15

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG2004/000366

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	5778092	NONE			
US	5778095	JP	9198511		
EP	0713329	JP	8228282	US	6157736
		US	6389163		US 6298151
US	6324305	BR	9907399	BR	9907400
		EP	1006714	EP	1006715
		EP	1006717	JP	2000175051
		JP	2000175053	JP	2000196893
		US	6373981	US	6400844
		US	2001000710	US	2001000711
US	6163625	NONE			
US	5392362	JP	6152985		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					